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(54) Title: DATABASE MODEL FOR HIERARCHICAL DATA FORMATS

20

Value	Primary Key			
	Descr#	Word Pos.	Type	Level
<section>	123	1	element	0
<title>	123	2	element	1
Titanic	123	3	Text	2
<section>	123	5	element	1
<title>	123	6	element	2
Leonardo is swimming	123	7	Text	3
<section>	123	9	element	2
<title>	123	10	element	3
arrow	123	11	attribute	4
down	123	12	Text	4
blub, blub, blub	123	13	Text	4

(57) Abstract: The present invention relates to a method for mapping a hierarchical data format to a relational database management system. It is an object of the invention to provide a method for mapping a hierarchical data format comprising descriptors (1, 10, 11) to a relational database management system capable of handling diverse types of hierarchical descriptors (1, 10, 11) in a fast manner for inserting descriptors (1, 10, 11), reading parts of descriptors (1, 10, 11), reading whole descriptors (1, 10, 11) and performing fast text queries. According to the invention, the descriptors (1, 10, 11) are separated into portions of a common format, which are stored in a relation (20, 21, 22...) in the relational database.

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